AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system for enabling components to transfer data between each other, the system comprising:

a plurality of components including a first component having a universal data transfer interface; and

a second component capable of invoking the universal data transfer interface to cause a data transfer session object (DTSO) to be sent to at least one of the plurality of components, wherein the DTSO ~~data transfer session object~~ is capable of being invoked by the at least one of the plurality of components to transfer data between the first component and the at least one of the plurality of components;~~,~~

wherein the DTSO includes instructions to return data types supported by the first component;

wherein the DTSO includes instructions that enable the first component to receive asynchronous event notifications;

wherein the DTSO includes instructions to return device type and operating status of the first component; and

wherein the DTSO ~~data transfer session object comprises~~includes instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to select a transfer medium to use to transfer data based upon the type of data.

2. (Previously presented) The system as set forth in claim 1 wherein the at least one of the plurality of components comprises the second component or a third component.

3. (Currently amended) The system as set forth in claim 1 wherein the at least one of the plurality of components sends a second DTSO ~~data transfer session object~~ to the first component to be used by the first component for receiving data transmitted from the at least one of the plurality of components.

4. (Currently amended) The system as set forth in claim 1 wherein the at least one of the plurality of components receives the DTSO ~~data transfer session object~~ from the first component to be used by the at least one of the components for receiving data transmitted from the first component.

5. (Currently amended) The system as set forth in claim 1 wherein the universal data transfer interface and the DTSO ~~data transfer session object~~ have source-specific object- oriented mobile code that can be interpreted and performed by the first component or the at least one of the plurality of components.

6. (Currently amended) The system as set forth in claim 1 wherein the DTSO ~~data transfer session object~~ comprises instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to transfer data, to select a communications protocol configured to transfer data between each other based upon a type of data to be transferred.

7. (Currently amended) The system as set forth in claim 1 wherein the DTSO ~~data transfer session object~~ is configured to indicate completion responsive to expiration of a data transfer lease by the first component or by the at least one

of the plurality of components or responsive to the first component or to the at least one of the plurality of components indicating that the data transfer has completed or failed.

8. (Currently amended) A system for enabling components to transfer data between each other, the system comprising:

a first component having a first universal data transfer interface;

a second component having a second universal data transfer interface; and

a third component invoking the first universal data transfer interface and the second universal data transfer interface to use a data transfer session object (DTSO) to transfer data between the first component and the second component;

wherein the DTSO includes instructions to return data types supported by the first component;

wherein the DTSO includes instructions that enable the first component to receive asynchronous event notifications;

wherein the DTSO includes instructions to return device type and operating status of the first component; and

wherein the DTSO includes instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to select a transfer medium to use to transfer data based upon the type of data.

9. (Currently amended) The system as set forth in claim 8 wherein the third component sends the DTSO ~~data transfer session object~~ to the first component to be used by the first component for receiving data transmitted from the second component.

10. (Currently amended) The system as set forth in claim 8 wherein the third component sends the DTSO ~~data transfer session object~~ to the second

component to be used by the second component for receiving data transmitted from the first component.

11. (Currently amended) The system as set forth in claim 8 wherein the DTSO ~~data transfer session object~~ is configured to indicate completion responsive to expiration of a data transfer lease by the first component or the at least one of the plurality of components, or responsive to the first component or the at least one of the plurality of components indicating that the data transfer has completed or failed.

12. (Currently amended) A method for enabling a plurality of components to transfer data between each other, the method comprising:

invoking, with a second component, a universal data transfer interface of a first component of a plurality of components to cause a data transfer session object (DTSO) to be sent to at least one of the plurality of components; and

invoking the DTSO ~~data transfer session object~~ with the at least one of the plurality of components to transfer data between the first component and the at least one of the plurality of components;~~,~~

wherein the DTSO includes instructions to return data types supported by the first component;

wherein the DTSO includes instructions that enable the first component to receive asynchronous event notifications;

wherein the DTSO includes instructions to return device type and operating status of the first component; and

wherein the DTSO ~~data transfer session object comprises~~includes instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to select a transfer medium to use to transfer data based upon the type of data.

13. (Previously presented) The method as set forth in claim 12 wherein the at least one of the plurality of components comprises the second component or a third component.

14. (Currently amended) The method as set forth in claim 12 further comprising sending a second DTSO ~~data transfer session object~~ to the first component to be used by the first component for receiving data transmitted from the at least one of the plurality of components.

15. (Currently amended) The method as set forth in claim 12 further comprising receiving the DTSO ~~data transfer session object~~ from the first component to be used by the at least one of the components for receiving data transmitted from the first component.

16. (Currently amended) The method as set forth in claim 12 wherein the universal data transfer interface and the DTSO ~~data transfer session object~~ have source-specific object-oriented mobile code that can be interpreted and performed by the first component or the at least one of the plurality of components.

17. (Currently amended) The method as set forth in claim 12 wherein the DTSO ~~data transfer session object~~ comprises instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to transfer data, to select a communications protocol configured to transfer data between each other based upon a type of data to be transferred.

18. (Currently amended) The method as set forth in claim 12 further comprising configuring the DTSO ~~data transfer session object~~ to indicate completion responsive to expiration of a data transfer lease by the first component

or by the at least one of the plurality of components, or responsive to the first component or to the at least one of the plurality of components indicating that the data transfer has completed or failed.

19. (Currently amended) A method for enabling components to transfer data between each other, the method comprising:

invoking a first universal data transfer interface of a first component and a second universal data transfer interface of a second component;

obtaining a data transfer session object (DTSO) from one of the invoked first universal data transfer interface or the second universal data transfer interface; and

using the DTSO ~~data transfer session object~~ to transfer data between the first component and the second component;

wherein the DTSO includes instructions to return data types supported by the first component;

wherein the DTSO includes instructions that enable the first component to receive asynchronous event notifications;

wherein the DTSO includes instructions to return device type and operating status of the first component; and

wherein the DTSO includes instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to select a transfer medium to use to transfer data based upon the type of data.

20. (Currently amended) The method as set forth in claim 19 further comprising sending the DTSO ~~data transfer session object~~ to the first component to be used by the first component for receiving data transmitted from the second component.

21. (Currently amended) The method as set forth in claim 19 further comprising sending the DTSO ~~data transfer session object~~ to the second component to be used by the second component for receiving data transmitted from the first component.

22. (Currently amended) The method as set forth in claim 19 further comprising configuring the DTSO ~~data transfer session object~~ to indicate completion responsive to expiration of a data transfer lease by the first component or by the at least one of the plurality of components, or responsive to the first component or to the at least one of the plurality of components indicating that the data transfer has completed or failed.

23. (Currently amended) A computer readable medium having stored thereon instructions for enabling components to transfer data between each other, which when executed by one or more processors, causes the processors to perform:

invoking, with a second component, a universal data transfer interface of a first component of a plurality of components to cause a data transfer session object (DTSO) to be sent to at least one of the plurality of components; and

invoking the DTSO ~~data transfer session object~~ with the at least one of the plurality of components to transfer data between the first component and the at least one of the plurality of components;~~,~~

wherein the DTSO includes instructions to return data types supported by the first component;

wherein the DTSO includes instructions that enable the first component to receive asynchronous event notifications;

wherein the DTSO includes instructions to return device type and operating status of the first component; and

wherein the DTSO ~~data transfer session object comprises~~includes instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to select a transfer medium to use to transfer data based upon the type of data.

24. (Previously presented) The medium as set forth in claim 23 wherein the at least one of the plurality of components comprises the second component or a third component.

25. (Currently amended) The medium as set forth in claim 23 further comprising sending a second DTSO ~~data transfer session object~~ to the first component to be used by the first component for receiving data transmitted from the at least one of the plurality of components.

26. (Currently amended) The medium as set forth in claim 23 further comprising receiving the DTSO ~~data transfer session object~~ from the first component to be used by the at least one of the components for receiving data transmitted from the first component.

27. (Currently amended) The medium as set forth in claim 23 wherein the universal data transfer interface and the DTSO ~~data transfer session object~~ have source-specific object-oriented mobile code that can be interpreted and performed by the first component or the at least one of the plurality of components.

28. (Currently amended) The medium as set forth in claim 23 wherein the DTSO ~~data transfer session object~~ comprises instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to transfer data, to select a communications protocol configured to

transfer data between each other based upon a type of data to be transferred.

29. (Currently amended) The medium as set forth in claim 23 further comprising configuring the DTSO ~~data transfer session object~~ to indicate completion responsive to expiration of a data transfer lease by the first component or by the at least one of the plurality of components, or responsive to the first component or to the at least one of the plurality of components indicating that the data transfer has completed or failed.

30. (Currently amended) A computer readable medium having stored thereon instructions for enabling components to transfer data between each other, which when executed by one or more processors, causes the processors to perform:

invoking a first universal data transfer interface of a first component and a second universal data transfer interface of a second component;

obtaining a data transfer session object (DTSO) from one of the invoked first universal data transfer interface or the second universal data transfer interface; and

using the DTSO ~~data transfer session object~~ to transfer data between the first component and the second component;

wherein the DTSO includes instructions to return data types supported by the first component;

wherein the DTSO includes instructions that enable the first component to receive asynchronous event notifications;

wherein the DTSO includes instructions to return device type and operating status of the first component; and

wherein the DTSO includes instructions to enable the first component or the at least one of the plurality of components to negotiate with each other to select a transfer medium to use to transfer data based upon the type of data.

31. (Currently amended) The medium as set forth in claim 30 further comprising sending the DTSO ~~data transfer session object~~ to the first component to be used by the first component for receiving data transmitted from the second component.

32. (Currently amended) The medium as set forth in claim 30 further comprising sending the DTSO ~~data transfer session object~~ to the second component to be used by the second component for receiving data transmitted from the first component.

33. (Currently amended) The medium as set forth in claim 30 further comprising configuring the DTSO ~~data transfer session object~~ to indicate completion responsive to expiration of a data transfer lease by the first component or by the at least one of the plurality of components, or responsive to the first component or to the at least one of the plurality of components indicating that the data transfer has completed or failed.